

Release Notes

System Requirements

	Minimum	Recommended
Operating System	Windows 10 1809 or higher, macOS 10.14 Mojave or higher	Windows 10 2004, macOS Big Sur
Processor	Intel i5 dual-core @ 2.3GHz ¹ 6th generation ² or higher, Apple M1	Intel i7 quad-core @ 2.8GHz+, 6th generation ² or higher, Apple M1
Memory	4GB RAM	16GB+ RAM
Hard Drive	2GB ³ , 7200 RPM for record to disk	500GB+, Solid State OS Drive
Graphics Card	Intel HD ⁴ , DirectX 11 capable	Nvidia GeForce or AMD Radeon, 1GB+ video memory
Internet Connectivity	Open HTTP/HTTPS port 80, RTMP port 1935, port 7272 for Remote Desktop Presenter	If behind a firewall, check with your CDN for any sites to whitelist

¹May be insufficient for 1080p+ or 60 fps workflows.

²[How to check the generation of your Intel processor](#)

³Additional hard disk space required for record to disk.

⁴Insufficient for advanced Multi-Viewer workflows.

Languages Supported:

- English
- German
- Italian
- Brazilian Portuguese
- Chinese (Simplified)
- Japanese
- Korean
- Czech
- Dutch
- French
- Spanish
- Swedish

Upgrade Information:

- An internet connection is recommended for Wirecast 14 license activation.
- As long as your Wirecast (version 8 or higher) license is entered into the software and your Basic, Standard or Premium support subscription is active, you will be allowed to upgrade to the latest unlocked version of Wirecast for free.
- View [full upgrade information](#)

Add-ons:

- **Remote Desktop Presenter** - Please use the Remote Desktop Presenter version 2.0.8, available as a separate download from Telestream: www.telestream.net/dtp
- **PLEASE NOTE: Wirecast 9 and later versions have dropped support of HDV licenses/cameras.** [Please click here for additional information.](#)

Best Practices

Minimum Required Upload Speed:

- It is recommended that an upload speed rate of at least double the selected video bitrate be available, especially for a total target bitrate of 10Mbps (Megabits per second) or less, or when there are multiple outgoing streams.
- Upload speed can be tested at a website such as [TestMy.net/upload](https://www.testmy.net/upload).
- Additional tasks that can consume upload bandwidth on the network should also be considered when determining how much of the available upload bandwidth can be allocated towards streaming.

Rendezvous

Wirecast Rendezvous uses WebRTC technology that can be very resource intensive. For the best experience, we suggest considering the following table when choosing hardware:

	Studio (2 guests + 1 host)	Pro (7 guests + 1 host)
Bandwidth⁵	Add 4 Mbps	Add 5+ Mbps ⁶
Processor⁵	i5 quad-core ⁷	i7 quad-core ⁷

⁵ Based on a single simultaneous stream of 720p30 x264 @ 4.0Mbps.

⁶ Bandwidth per guest will scale downwards as more are added to maintain reliability.

⁷ Minimum recommended processor with example stream⁴. More demanding workflows may require a more capable CPU.

See our [Rendezvous Best Practices Guide](#) for more information.

ISO Recording:

- Solid State Drive or fast RAID array recommended for ISO Recording and Replay functionality.
- Actual data rates will vary depending on quality level selected for ProRes or x264, as well as the resolution and frame rate selected.
 - For ProRes recording please refer to [Apple's ProRes data rate specifications](#).
- Total expected data rate should be compared to available disk write speed to ensure adequate disk throughput.

Failure to ensure the available disk write speed is greater than the highest expected total data rate may result in frames being dropped from recordings (ISO, Replay, and Record-to-Disk).

See our [ISO Recording Guide](#) for more information.

Best Practices (cont.)

Hardware accelerated encoding requirements:

- Intel Quick Sync Video encoding requires an Intel CPU with an Intel® QuickSync Video core.
[List of Intel CPUs supporting QuickSync](#)
- NVIDIA NVENC encoding requires an NVidia GPU with Kepler architecture or newer.
[NVIDIA only maintains a general list of supported GPUs](#)
- Apple Hardware Accelerated H.264 encoding requires a Mac with an integrated Intel GPU*.
**This may change in the future, as the Apple API decides what hardware acceleration method is to be used. At the time of this writing, only Quick Sync via an Intel GPU is supported.*

High frame-rate streaming (60fps):

- High frame-rate streaming will result in increased CPU usage and require a higher bit rate (4Mbps or higher) for a quality encode.
- Simply switching to a higher frame-rate without ensuring the CPU and bitrate are sufficient may result in a lower quality encode.

CPU Usage:

- Consider lowering your canvas frame rate and/or streaming resolution to lower CPU usage.
- Maintained system CPU usage greater than 60% will increase the likelihood of dropped frames.

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Wirecast **BETA2** 14.2

- **New! Apple Universal Support** - Now Wirecast can be run natively on M1 Macs
- **New! Placeholders and Shot Templates:** New and improved Shot Templates let you easily add a pre-configured shot layout to your document or save any shot as a Template. And assign cameras or sources to Placeholders to quickly add a source across a number of shots in your document. Especially useful for pre-configuring shots for Rendezvous guests!
- **New! Secondary Display (Pro-only):** Adds a new type of output that sends the live program feed to a secondary display. Great alternative for hardware-based program out but can also be used as an alternative to Virtual Camera/Microphone when paired with a capture device.
- **New! Lock Shot Icon:** Now you can take a snapshot of your live shot and save it as the icon thumbnail image.
- **New! Shot ISO indicator:** You'll see a tally indicator on shots that are currently being ISO recorded.
- **New! PTZ Control of X-Series Sony cameras:** Added Sony X-Series VISCA/UDP protocol profile in the PTZ controller.
- **New! LinkedIn Live Auto-Captions support:** Make your LinkedIn Live broadcasts more accessible by adding auto-generated captions to any LinkedIn Live video
- **New! Updated the app icon to Big Sur style on macOS:** It's minor, but thought we'd mention it.
- **New! Input connection selector for Blackmagic devices:** This new option lets you select the type of video/audio input connection (HDMI/SDI) used for incoming Blackmagic Designs sources. This helps ensure you have the right connection chosen, to reduce errors in your incoming sources.
- **New! Audio in Web Page source:** Added the ability to adjust audio from a Web Page source as well as stream it out as part of your broadcast.
- **Improved! Several Clock enhancements including:**
 - **Auto-start countdown:** An option to automatically start the countdown clock when it gets pushed live, saving time and clicks.
 - **60+ min:** Added the ability to set times in minutes greater than 60 minutes, useful in sports and other applications.
 - **Countdown to specific date:** Countdown to a specific date and time, for longer broadcasts and countdowns.
 - **New display options:** Including US-centric date formats, and a day-of-the-week-only option.
- **Improved! Text Scrolling improvement:** There is now a checkbox option in the scrolling section of the text source properties (defaults to enabled) titled "Restart when pushed live". If enabled, scrolling will restart from the beginning when the shot containing the text source is sent live.
- **Improved! Virtual Microphone monitoring on Windows:** Now in Windows you can monitor of the audio output of Wirecast while outputting the Wirecast virtual microphone.
- **Improved! Windows Installer Improvements:** Just making it a better experience for all.

- **Improved! Rendezvous guests in Favorites tab:** Rendezvous guests will now appear in the Favorites tab if Rendezvous Shot is favorited
- **Improved! M4V files** can now be selected
- **Improved! Image Carousel:** Improved rendering for Image Carousels
- **Improved! Automatic image downscaling:** Images larger than the current document's canvas will now be automatically downsized before being loaded into Wirecast for better performance.
- **Updated technologies:**
 - **VLC library:** Updated libVLC to version 3.0.12
 - **CEF:** Updated Chromium Embedded Framework to version 88.0.4324.182.
 - **NDI:** We've updated to versions 4.6.2 (Windows) and the (M1 supported beta) 4.6.1 on Mac.
 - **WebView2:** Now using WebView2 for embedded browsers on Windows.
- **Fixes:**
 - **WIRE-18637: Code signed the Wirecast Support Assistant app on Windows.**
 - WIRE-18616: Fixed a memory leak that would slowly grow over time when capturing Remote Desktop Presenter sources on macOS.
 - **WIRE-18608: Disabled LinkedIn Live Draft Mode until it's officially supported by LinkedIn.**
 - **WIRE-18593: Fixed some issues with NDI sources.**
 - WIRE-18588: Removed Telestream Cloud Settings from Wirecast Output Settings as we are sunsetting this service. [See more info here.](#)
 - WIRE-18581/WIRE-18531/WIRE-18366: Fixed a rare crash that could occur when running Wirecast with other programs on Windows.
 - WIRE-18548: Made some improvements to media playback on macOS.
 - WIRE-18544: Added Title and Description requirement for Facebook streams.
 - **WIRE-18533: MIDI and XKeys controllers are now working on macOS.**
 - WIRE-18526: Custom Mattes now again display in the Shot Layer Properties menu.
 - WIRE-18472: Fixed a crash that could happen if "Keep Reading File" was checked in a Text File Mode shot.
 - WIRE-18467: Localized dates correctly in Clock Widget.
 - WIRE-18463: Fixed a crash when opening certain older documents with a countdown Clock source on Windows.
 - WIRE-18461: Fixed a crash that could happen when playing certain MP4 files on Windows.
 - WIRE-18442: If you switch Timestamps mode while outputting, this should no longer introduce an A/V sync issue.
 - WIRE-18416: Fixed an issue prohibiting some MP4 files to be imported.
 - WIRE-18414: Fixed a rare crash when a program is making OLE scripting calls at shutdown.
 - WIRE-18400: Fixed an issue with the Wirecast installer on Windows silently failing if Wirecast is running in the background.
 - WIRE-18395: Fixed Clock Widget crashing if reset button is clicked in countdown mode when an invalid time format is specified.

- WIRE-18389: Now the Clock Widget won't annoyingly show you an alert message twice when an invalid time format is specified. You'll be alerted once. So pay attention.
- WIRE-18349: We no longer will allow installation of Wirecast on Windows 10 versions less than 1809. Please update Windows.
- WIRE-18324: We made it easier to save a Shot ISO Filename value by clicking OK.
- WIRE-18303: Fixed a Rendezvous conundrum where guests wouldn't actually leave a session if they disconnected while the host was ending the session. (There's probably a joke here about guests overstaying their welcome...)
- WIRE-18295: We now disable ONVIF devices by default. This can be enabled in the Preferences->Advanced section.
- WIRE-18289: Fixed an issue where some saved documents (specifically with long audio asset names) couldn't be reopened.
- WIRE-18287/WIRE-18286: Removed CEF and activated WebView2 for embedded OAuth browsers in Output Settings.
- WIRE-18260: Now your Output Settings will not be overwritten when you delete another Output destination.
- WIRE-18211: Fixed a minor issue where long shot/source names would cause the Add Source dialog box to expand.
- WIRE-18203: Fixed a Typo in the install Telestream Audio Capture alert dialog. Nothing to see here.
- WIRE-18197: Fixed privileges for LinkedIn Live – Now it only retrieves company pages for which you are an admin.
- WIRE-18126: Fixed some strange behavior with Image Carousels when you set a long transition time.
- WIRE-17607: Fixed an issue where certain images wouldn't display in the Image Carousel.
- WIRE-16688: Fixed an issue where Live Audio would not play after loading documents set to show Preview only.
- WIRE-10008: With the changes to CEF, you now can adjust audio from a Web Page source.

KNOWN ISSUES

- WIRE-18607: Virtual Microphone audio is distorted or silent on M1 systems.
- WIRE-18573: Mainconcept H.264 encoder is not supported on M1 systems.
- WIRE-18572: Unicast and Multicast Outputs are not supported on M1 systems.
- WIRE-18517: Starting an x264 encoder crashes Wirecast when running in Rosetta. We've decided not to support Rosetta mode.
- WIRE-18496: Legacy Text source has been removed. This means that certain Legacy Text properties that are not compatible with the new Text Widget won't be available.